

REMARKS

By the above amendment, the title has been amended to "display device" and informalities in the specification have been corrected to more properly refer to the printed circuit board PCB rather than the liquid crystal display panel PNL, as is apparent from the drawings of this Fig. 6, for example. Furthermore, claims 1-14 have been amended to clarify features of the present invention, noting that in accordance with the present invention, a semiconductor device of a film carrier type represented by He, as illustrated in Fig. 1 is utilized, wherein as described at page 9, lines 16-22, a semiconductor chip IC is mounted on a film-like substrate SUB0, referred to in the claims as a film carrier on which a semiconductor device is mounted. As further described in the specification, input bumps of the semiconductor chip IC are respectively lead out to input terminals IT via interconnection layers WL formed on a surface of the substrate SUB0, while the output bumps of the semiconductor chip IC are respectively lead out to output terminals OT via the interconnection layers WL. As shown in Fig. 6, an anisotropic conductive film ACF connect the input terminals IT of the film carrier to terminals of the printed circuit board PCB while another anisotropic conductive film ACF connect the output terminals OT of the film carrier to terminals of the display panel. By the present amendment, these features have been clarified in the claims and new claims 15-20 have been presented.

The requirement for election of one of the following allegedly patentably distinct species of the claimed invention identified as (I) the specifics of the device being comprised of the particular details of the terminals' distance (claims 1-3, 14); (II) the specifics of the device being comprised of the particular details of the anisotropic conductive film formed separately/common for each semiconductor device (claims 4-6); (III) the specifics of the device being comprised of the particular details of the

anisotropic conductive film having a particular melting point (claims 7, 10); (IV) the specifics of the device being comprised of the particular details of the conductive beads (claims 8, 9, 11); (V) the specifics of the device being comprised of the particular details of the surfaces of the terminals covered with a material layer incapable of oxidized (claim 12); or (VI) the specifics of the device being comprised of the particular details of the terminals or their surfaces covered with Au (claim 13); is traversed in that while the Examiner contends that currently, there is no generic claim, by the present amendment, applicants submit that claim 15 and some of the newly added dependent claims may be considered generic or sub-generic to a plurality of the species identified by the Examiner.

Turning to new independent claim 15, this claim recites the feature of a display panel, a printed circuit board, and at least one semiconductor device of a film carrier type which is disposed to lie between the display panel and the printed circuit board and is mounted on a film carrier. Claim 15 recites first terminals of the film carrier being connected to terminals of the printed circuit board by a first anisotropic conductive film, while second terminals of the film carrier are connected to terminals of the display panel by a second anisotropic film, and that the first anisotropic film for connecting the terminals of the printed circuit board to the first terminals of the film carrier have a physical property which differs from a physical property of the second anisotropic conductive film for connecting the terminals of the display panel to the second terminals of the film carrier. Applicants submit that the physical property encompasses the features of species III and IV regarding details of the anisotropic conductive film in relation to a melting point and conductive beads, such that claim 15 is at least generic to species III and IV. As such, at least with respect to species III and IV, applicants request withdrawal of the election requirement.

In order to provide a complete response to the election requirement as set forth by the Examiner, applicants provisionally elect, with traverse, species IV wherein, in

addition to claims 8, 9 and 11 as indicated by the Examiner, generic or sub-generic claims 15, 16 and 18-20 are readable thereon.

It is noted that the Examiner indicated that if species IV is elected, then a further election of one of the following alleged patentably distinct species is required identified as:

(IVa) the specifics of the device being comprised of the conductive beads for connecting the terminals of the LCD being higher in density than the conductive beads for connecting the terminals of the printed circuit board (claim 8); (IVb) the specifics of the device being comprised of the conductive beads for connecting the terminals of the LCD being larger in size than the conductive beads for connecting the terminals of the printed circuit board (claim 9); or (IVc) the specifics of the device being comprised of the conductive beads contained in the anisotropic conductive film being set larger than the thickness of an insulating film which exposes the terminals of the printed circuit board (claim 11).

Hereagain, this additional requirement is traversed in that generic or sub-generic claims are present, such that withdrawal of this requirement is respectfully requested.

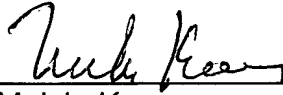
However, in order to respond to this additional election requirement, applicants provisionally elect, with traverse, species IVa and submit that in addition to claim 8 indicated by the Examiner, claims 15, 16, 18 and 20 are readable thereon.

In view of the above amendments and remarks, applicants request withdrawal of the election requirement and favorable action with respect to all claims present in this application.

To the extent necessary, applicant's petition for an extension of time under 37 CFR 1.136. Please charge any shortage in the fees due in connection with the filing

of this paper, including extension of time fees, to Deposit Account No. 01-2135 (501.41142X00) and please credit any excess fees to such deposit account.

Respectfully submitted,

A handwritten signature in dark ink, appearing to read "Melvin Kraus", written over a horizontal line.

Melvin Kraus

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